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LIMPHE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICANT

: Jackowski et al.

INVENTION

: Complement C3 Precursor Biopolymer

Markers Predictive of Type II

Diabetes

SERIAL NUMBER

: 09/993,287

FILING DATE

: November 23, 2001

EXAMINER

: Cook, Lisa V

GROUP ART UNIT

: 1641

OUR FILE NO.

: 2132.108

Mail Stop: RCE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 allowable subject and 2.

## DECLARATION UNDER 37 CFR § 1.132

- I, Ferris H. Lander, do hereby declare as follows:
- 1. I am a registered Patent Agent and am authorized to represent the inventor's and assignee in the application entitled "Complement C3 Precursor Biopolymer Markers Predictive of Type II Diabetes", having U.S. Application Serial No. 09/993,287, filed November 23, 2001.
- 2. In the Advisory Action mailed on December 29, 2005, the Examiner maintained the Final Action. Specifically, the Examiner asserts that the figures do not show clear differential expression.

EXPRESS MAIL NO. EQ448634555US

- 3. Applicants strongly disagree with the Examiner's determination and assert that the figures do provide clear differential expression of the claimed sequences (SEQ ID NOS:1-3).
- 4. The first figure attached hereto is entitled "DEAE 1(Elution) Normal vs. Diabetes Type II" and represents Figure 1 as originally filed. This figure was produced by scanning the original photograph of the gel. The claimed SEQ ID NOS:1 and 2 were obtained from samples analyzed in the gel shown in Figure 1.

At page 46, lines 8-11 of the instant specification as originally filed, SEQ ID NO:1 is identified as a fragment of the complement C3f precursor protein having a molecular weight of about 1212 daltons (1211.67 daltons). Figure 2, as originally filed, shows the characteristic mass spectral profile of SEQ ID NO:1 (see top left of figure for band number analyzed, D1(E)C3-2 and see top right of figure for molecular weight of the exemplified ion, 1211).

Band 3-2, identified in lane 1 of the gel shown in Figure 1, is clearly labeled as containing complement C3f. Thus, it can be ascertained that the claimed SEQ ID NO:1 is a fragment of the complement C3f precursor protein weighing about 1212 daltons obtained from Band 3-2 of the gel as shown in Figure 1. Band 3-2 is immediately evident in all four normal samples (lanes 1-4, as read from the left, marked by circles) and clearly absent in all five diabetes Type II samples (lanes 5-9, marked by squares).

At page 46, lines 11-13 of the instant specification as originally filed, SEQ ID NO:2 is identified as a fragment of the complement C3 precursor protein having a molecular weight of about 2173 daltons (2172.99 daltons). Figure 3, as originally filed, shows the characteristic mass spectral profile of SEQ ID NO:2 (see top left of figure for band number analyzed, D1(E)C3-2 and see bottom right of figure for molecular weight of the exemplified ion, 2173). Band 3-2, identified in lane 1 of the gel shown in Figure 1, is clearly labeled as containing complement component 3 precursor. Thus, it can be ascertained that the claimed SEQ ID NO:2 is a fragment of the complement C3 precursor protein weighing about 2173 daltons obtained from Band 3-2 of the gel as shown in Figure 1. Band 3-2 is immediately evident in all four normal samples (lanes 1-4, as read from the left, marked by circles) and clearly absent in all five diabetes Type II samples (lanes 5-9, marked by squares).

No new matter has been added; Figure 1, as attached, is simply a clearer copy of Figure 1 as originally filed and is provided to clarify the presence and differential expression of the claimed biopolymer markers (SEQ ID NOS:1 and 2). The gel shown in the figure does not represent new experimentation; the figure shows a clearer image of the original gel made at the time that the experiments described in the instant specification were first carried out.

5. The second figure attached hereto is entitled "HiQ3 (scrub) Normal vs. Diabetes Type II" and represents Figure 4 as McHale & Slavin P.A. 2132.108 -Declaration 37 CFR 1.132 Page 3 of 6

originally filed. This figure was also produced by scanning the original photograph of the gel. The claimed SEQ ID NO: 3 was obtained from samples analyzed in the gel shown in Figure 4.

At page 46, lines 13-15 of the instant specification as of originally filed / SEQ ID NO:3 is identified as a fragment of the complement C3 precursor protein having a molecular weight of about 1191 daltons (1190.6210 daltons). Figure 5, as originally filed, shows the characteristic mass spectral profile of SEQ ID NO:3 (see top left of figure for band number analyzed, Q (SCRUB)S2 and see top right of figure for molecular weight of the exemplified ion, 1190.60). Band 2, identified in lane 10 of the gel shown in Figure 4, is clearly labeled as containing complement component 3 precursor. Thus, it can be ascertained that the claimed SEQ ID NO:3 is a fragment of the complement C3 precursor protein weighing about 1191 daltons obtained from Band 2 of the gel as shown in Figure 4. Band 2 is immediately evident in all four normal samples (lanes 7-10, as read from the left) and clearly absent in all five diabetes not dear iscook 2/17/06 Type II samples (lanes 2-6).

No new matter has been added; Figure 4, as attached, is simply a clearer copy of Figure 4 as originally filed and is provided to clarify the presence and differential expression of one of the claimed biopolymer markers (SEQ ID NO:3). The gel shown in the figure does not represent new experimentation; the figure shows a clearer image of the original gel made at the time that the experiments described in the instant specification were first carried out.

- The attached table is a partial listing of markers 6. identified by the instant inventors; including the currently claimed markers, SEQ ID NOS:1-3 (see experiments 9, 10 and 17; marked by \*). Each peptide marker in the table is described using five main categories. For example, one of the currently claimed markers, SEQ ID NO:2, was obtained from Band 3 of the gel using DEAE 1 Elution chromatography as the preparatory step to mass spectrometric analysis, identified during experiment 17 as a fragment of complement C3 precursor weighing about 2172 daltons and was found to be present in normal samples during comparison of normal samples versus Type II diabetes samples. It is noted that instantly claimed SEQ ID NO:1 was also identified in Band 5 of the gel shown in Figure 4. No new matter has been added by the disclosure of the table. The data summarized in the attached table does not represent new experimentation; the table shows the data which was collected at the time that the experiments described in the instant specification were first carried out.
- 7. Accordingly, it is established that the figures (Figures 1-5, as originally filed and Figures 1 and 4, as attached) show that the claimed peptides (SEQ ID NOS:1-3) are present in samples obtained from patients determined to be normal with regard to Type II diabetes and absent from samples obtained from Type II diabetes patients. Thus, contrary to the Examiner's determination, the figures do show differential expression of the claimed sequences (SEQ ID NOS:1-3).

The undersigned declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the Application or any patent issuing thereon.

Date

Ferris H. Lander Reg. No. 43,377

\\Ns2\SERVER\CLIENT FILES\2100-2199\2132 -Syn-X\2132\_000108 - Complement C3 Precursor Biopolymer\Amendments\2132\_108\_132.wpd

## BEST AVAILABLE COPY

1	Experiment No	No. Band	nd No. Preparatory	ory Step	M.W. (daltons	tons) Sequence		Protein Source	Criteria	Designation	Docket
HIQ 1635 Fibronectin Precursor IR vs NH NH 2132.03 HIQ 1637 Inter-Abla Typsin inhibitor IR vs NH NH 2132.03 HIQ 1837 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1337 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1337 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1337 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1337 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1208 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1214 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1214 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1214 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1214 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1214 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1214 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1214 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1214 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1214 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1214 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1214 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1214 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1214 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1214 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1214 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1215 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1216 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1216 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1216 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1216 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1217 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1217 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1217 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1217 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1217 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1217 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1217 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1217 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1217 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1217 Complement C3 Precursor IR vs NH NH 2132.03 HIQ 1217 Complement C3 Precu	-		HO H		1356			Fibronectin Precursor	IR vs NH	¥	2132.103
HO 1899   Floropedin Pickursor   R vs NH   NH   2132.103   HIG 1872   Inter-Apha Typsin Inhibitor   R vs NH   NH   2132.103   HIG 1873   Complement C3 Pecursor   R vs NH   NH   2132.103   HIG 1873   Apolipopto test AVV Precursor   R vs NH   NH   2132.103   HIG 1874   Complement C3 Pecursor   R vs NH   NH   2132.103   HIG 1875   Apolipopto test AVV Precursor   R vs NH   NH   2132.103   HIG 1875   Complement C3 Pecursor   R vs NH   NH   2132.103   HIG 1875   Complement C3 Pecursor   R vs NH   NH   2132.103   HIG 1875   Complement C3 Pecursor   R vs NH   NH   2132.103   HIG 1875   Complement C3 Pecursor   R vs NH   NH   2132.103   HIG 1876   Complement C3 Pecursor   R vs NH   NH   2132.103   HIG 1876   Complement C3 Pecursor   R vs NH   NH   2132.103   HIG 1876   Complement C3 Pecursor   R vs NH   NH   2132.103   HIG 1877   Complement C3 Pecursor   R vs NH   R   2132.003   HIG 1877   Complement C3 Pecursor   R vs NH   R   2132.003   HIG 1878   Complement C3 Pecursor   R vs NH   R   2132.003   HIG 1879   Complement C3 Pecursor   R vs NH   R   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   R   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   R   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   R   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   R   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   NH   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   NH   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   NH   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   NH   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   NH   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   NH   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   NH   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   NH   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   NH   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   NH   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   NH   2132.003   HIG 1870   Complement C3 Pecursor   R vs NH   NH   2	<b>-</b> -		g E	٠	1625			Fibronectin Precursor	EN SN ME	ĭ	2132,103
Ho   1937   He   1938   He	-		<u>_</u>		1810			Cibronotin Drogumor			24.00.100
HIG   1933   Inter-Apla Typain Inhibitor   R vs NH   NH   2132.103     HIG   1937   Complement C3 Pecursor   R vs NH   NH   2132.103     HIG   1937   Complement C3 Pecursor   R vs NH   NH   2132.103     HIG   1936   Complement C3 Pecursor   R vs NH   NH   2132.103     HIG   1937   Complement C3 Pecursor   R vs NH   NH   2132.03     HIG   1936   Complement C3 Pecursor   R vs NH   NH   2132.03     HIG   1946   Complement C3 Pecursor   R vs NH   NH   2132.03     HIG   1946   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1946   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1946   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1947   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1948   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1948   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1948   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1948   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1949   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1949   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1940   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1940   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1940   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1940   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1940   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1953   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1954   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1955   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1956   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1956   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1957   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1958   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1958   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1958   Complement C3 Pecursor   R vs NH   R   2132.03     HIG   1957   Complement C3 Pecursor   R vs	۰,		- c	٠	10.0				E 2 2 2 1	ב :	2132.103
HIG 1615  HIG 1617  HIG 1	۷ (		7		755			Inter Apna Trypsin Inhibitor	IK VS NH	Ľ	2132.105
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HIQ   1817   Complement C3 Precursor   R vs NH   NH   2132.102     HIQ   1387   Apolipopro tein A-V Precursor   R vs NH   NH   2132.103     HIQ   1387   Apolipopro tein A-V Precursor   R vs NH   NH   2132.103     HIQ   1387   Complement C3 Precursor   R vs NH   NH   2132.103     HIQ   1208   Complement C3 Precursor   R vs NH   NH   2132.00     HIQ   1208   Complement C3 Precursor   R vs NH   NH   2132.00     HIQ   1208   Complement C3 Precursor   R vs NH   NH   2132.00     HIQ   1211   Complement C3 Precursor   R vs NH   R   2132.00     HIQ   1226   Macroglophic In Mile   R vs NH   R   2132.00     HIQ   1226   Macroglophic In Mile   R vs NH   R   2132.00     HIQ   1226   Macroglophic In Mile   R vs NH   R   2132.00     HIQ   1226   Macroglophic In Mile   R vs NH   R   2132.00     HIQ   1236   Complement C3 Precursor   R vs NH   R   2132.00     HIQ   1236   Complement C3 Precursor   R vs NH   R   2132.00     HIQ   1236   Complement C3 Precursor   R vs NH   R   2132.00     HIQ   1236   Complement C3 Precursor   R vs NH   R   2132.00     HIQ   1236   Complement C3 Precursor   R vs NH   R   2132.00     HIQ   1236   Complement C3 Precursor   R vs NH   R   2132.00     HIQ   1334   Complement C3 Precursor   R vs NH   R   2132.00     HIQ   1330   GQ LD NO   Complement C3 Precursor   R vs NH   NH   2132.00     HIQ   1638   Complement C3 Precursor   R vs NH   NH   2132.00     HIQ   1638   Complement C3 Precursor   R vs NH   NH   2132.00     HIQ   1638   Complement C3 Precursor   R vs NH   NH   2132.00     HIQ   1638   Complement C3 Precursor   R vs NH   NH   2132.00     DEAE-1   1912   Complement C3 Precursor   R vs NH   NH   2132.00     DEAE-1   1912   Complement C3 Precursor   R vs NH   NH   2132.00     DEAE-1   1912   Complement C3 Precursor   R vs NH   NH   2132.00     DEAE-1   1912   Complement C3 Precursor   R vs NH   NH   2132.00     DEAE-1   1912   Complement C3 Precursor   R vs NH   NH   2132.00     DEAE-1   1912   Complement C3 Precursor   R vs NH   NH   2132.00     DEAE-1   1912   Complement C3 Precursor	7		2 F		1812			Inter Apha Trypsin Inhibitor	IR vs NH	¥.	2132.105
HIQ   12755   Complement C3 Precursor   R vs NH   NH   2132.102     HIQ   1387	ო		4 ÖH		1817			Complement C3 Precursor	IR vs NH	Į	2132.102
High   1287   Apolipopro lein Auf Precursor   R vs NH   NH   2132-101     High   1387   Complement C3 Precursor   R vs NH   NH   2132-101     High   1288   Complement C3 Precursor   R vs NH   NH   2132-103     High   1208   Complement C3 Precursor   R vs NH   R   2132-103     High   1545   R vs NH   R   2132-103     High   1526   Maccelobulin Apha 2   R vs NH   R   2132-103     High   1226   Maccelobulin Apha 2   R vs NH   R   2132-103     High   1226   Maccelobulin Apha 2   R vs NH   R   2132-103     High   1226   Maccelobulin Apha 2   R vs NH   R   2132-103     High   1226   Maccelobulin Apha 2   R vs NH   R   2132-103     High   1226   Maccelobulin Apha 2   R vs NH   R   2132-103     High   1226   Maccelobulin Apha 2   R vs NH   R   2132-103     High   1226   Maccelobulin Apha 2   R vs NH   R   2132-103     High   1226   Maccelobulin Apha 2   R vs NH   R   2132-103     High   1226   Maccelobulin Apha 2   R vs NH   R   2132-103     High   1226   Maccelobulin Apha 2   R vs NH   R   2132-103     High   1226   Maccelobulin Apha 2   R vs NH   R   2132-103     High   1226   Maccelobulin Apha 2   R vs NH   R   2132-103     High   1226   Maccelobulin Apha 2   R vs NH   R   2132-103     High   133   Seq ± D ∧ O	ო		4 OH		2755			Complement C3 Precursor	IR vs NH	ž	2132.102
Hi	ω		7 E		1287			Apolipopro tein A-IV Precursor	IR vs NH	¥	2132.101
High   1908   Complement C3 Precursor   R vs NH   NH   2132.102     High   1208   Complement C3 Precursor   R vs NH   NH   2132.103     High   1208   Complement C3 Precursor   R vs NH   R   2132.093     High   1514   R vs NH   R   2132.093     High   1211   R vs NH   R   2132.093     High   1214   R vs NH   R   2132.093     High   1226   R vs NH   R   2132.093     High   1226   R vs NH   R   2132.093     High   1226   R vs NH   R   2132.093     High   1234   R vs NH   R   2132.093	ഹ		7 HIQ		1311			Apolipopro tein A-IV Precursor	R vs NH	ž	2132.101
High   1867   Transhipretin   R vs NH   NH   2132.106     High   1545   Holdson   Transhipretin   R vs NH   R   2132.097     High   1545   Holdson   Transhipretin   R vs NH   R   2132.097     High   1545   Holdson   Transhipretin   R vs NH   R   2132.097     High   1214   Holdson   Transhipretin   R vs NH   R   2132.093     High   1224   Holdson   Transhipretin   R vs NH   R   2132.093     High   1224   Holdson   Transhipretin   R vs NH   R   2132.093     High   1224   Holdson   Transhipretin   R vs NH   R   2132.093     High   1224   Holdson   Transhipretin   R vs NH   R   2132.093     High   1224   Holdson   Transhipretin   R vs NH   R   2132.093     High   1234   Globin (Bela, Hemo or Apha)   R vs NH   R   2132.093     High   1333   Seq ± ± D NO     Apolipoprotein   T2 vs NH   NH   2132.093     High   1937   Complement G2 Pecursor   T2 vs NH   NH   2132.103     High   1937   Gromplement G2 Pecursor   T2 vs NH   NH   2132.103     High   1937   Complement G2 Pecursor   T2 vs NH   NH   2132.103     High   1937   Complement G2 Pecursor   T2 vs NH   NH   2132.103     High   1937   Complement G2 Pecursor   T2 vs NH   NH   2132.103     High   1937   Complement G2 Pecursor   T2 vs NH   NH   2132.103     High   1937   Complement G2 Pecursor   T2 vs NH   NH   2132.103     DEAE-  1628   Complement G3 Pecursor   T2 vs NH   NH   2132.103     DEAE-  1628   Complement G3 Pecursor   T2 vs NH   NH   2132.103     DEAE-  1937   Complement G3 Pecursor   T2 vs NH   NH   2132.103     DEAE-  1937   Complement G3 Pecursor   T2 vs NH   NH   2132.103     DEAE-  1937   Complement G3 Pecursor   T2 vs NH   NH   2132.103     DEAE-  1937   Complement G3 Pecursor   T2 vs NH   NH   2132.103     DEAE-  1937   Complement G3 Pecursor   T2 vs NH   NH   2132.103     DEAE-  1937   Complement G3 Pecursor   T2 vs NH   NH   2132.103     DEAE-  1937   Complement G3 Pecursor   T2 vs NH   NH   2132.103     DEAE-  1937   Complement G3 Pecursor   T2 vs NH   NH   2132.103     DEAE-  1937   Complement G3 Pecursor   T2 vs NH   NH   2132.103     DEAE-  19	S.		Z HO		1908			Complement C3 Precursor	IR VS NH	¥	2132 102
High   1206   Carrible Octanoyl Tansferase   R vs NH   R   2132.097     High   1206   HP ABOS1484   R vs NH   R   2132.097     High   1211   High   1226   R vs NH   R   2132.099     High   1211   High   1226   R vs NH   R   2132.099     Hi	လ		7 H		1367			Transthyretin	N N N	Į	2132.102
High   1208   Caraline Octob Language   R vs NH   R   2132.099   HP A505144   R vs NH   R   2132.099   HP A515706   H vs NH   R   2132.099   H	G		Z Z					Botology O A Changes		2	2422.003
High   1500   HP ALISTON   R vs NH   R   2132.099     High   1514   High   1514   High   H	. c				9000			Detail (1971) Details poil		בַ נַ	2132.097
Ho   1545   He AB051484   Rvs NH   IR   2132.099   He AB051484   Rvs NH   IR   2132.099   He AB051484   Rvs NH   IR   2132.099   He   1211   He   1212   He   1	ם פ		2 6		200			Carnitine Octanoyi Transferase	_	ĭ	2132.097
HQ   1545   HP AL5/12706   R vs NH   R   2132.039     HQ   1546   Inter Apha Trypsin Intibior   R vs NH   R   2132.039     HQ   1211   Inter Apha Trypsin Intibior   R vs NH   R   2132.103     HQ   1226   Apoliporpotein   R vs NH   R   2132.104     HQ   1274   Globin (Beat, Hemo or Apha)   R vs NH   R   2132.094     HQ   1374   Globin (Beat, Hemo or Apha)   R vs NH   R   2132.094     HQ3   130   SC Q ID NO   Complement C3 Precursor   T2 vs NH   NH   2132.105     HQ3   131   SC Q ID NO   Complement C3 Precursor   T2 vs NH   NH   2132.105     HQ3   135   SC Q ID NO   Complement C3 Precursor   T2 vs NH   NH   2132.105     HQ3   135   SC Q ID NO   Complement C3 Precursor   T2 vs NH   NH   2132.105     HQ3   136   Apolipoprotein A-IV Precursor   T2 vs NH   T2   2132.115     HQ3   136   Apolipoprotein A-IV Precursor   T2 vs NH   T2   2132.116     HQ3   136   Apolipoprotein A-IV Precursor   T2 vs NH   T2   2132.116     HQ3   136   Apolipoprotein A-IV Precursor   T2 vs NH   T2   2132.116     HQ3   136   Apolipoprotein A-IV Precursor   T2 vs NH   T2   2132.116     HQ3   136   Apolipoprotein A-IV Precursor   T2 vs NH   T2   2132.116     HQ3   1370   Apolipoprotein A-IV Precursor   T2 vs NH   NH   2132.106     HQ3   136   Apolipoprotein A-IV Precursor   T2 vs NH   NH   2132.106     HQ4   Apolipoprotein A-IV Precursor   T2 vs NH   NH   2132.106     HQ4   Apolipoprotein A-IV Precursor   T2 vs NH   NH   2132.106     HQ4   Apolipoprotein A-IV Precursor   T2 vs NH   NH   2132.106     HQ4   Apolipoprotein A-IV Precursor   T2 vs NH   NH   2132.106     HQ4   Apolipoprotein A-IV Precursor   T2 vs NH   NH   2132.107     HQ4   Apolipoprotein A-IV Precursor   T2 vs NH   NH   2132.107     HQ5   Abolipoprotein A-IV Precursor   T2 vs NH   NH   2132.107     HQ5   Abolipoprotein A-IV Precursor   T2 vs NH   NH   2132.107     HQ5   Abolipoprotein A-IV Precursor   T2 vs NH   NH   2132.107     HQ5   Abolipoprotein A-IV Precursor   T2 vs NH   NH   2132.107     HQ5   Abolipoprotein A-IV Precursor   T2 vs NH   NH   2132.107     HQ5   Abolipopr	<b>o</b> (		ا ا ا					HP AB051484	IR vs NH	<u>œ</u>	2132.099
High   1545   High	، م		OH:					HP AL512706	IR vs NH	œ	2132.099
HQ   1211   Inter Apha Trypsin Inhibitor   R vs NH   R   2132.13     HQ   1812   Apointoptetin   R vs NH   R   2132.104     HQ   1226   Human Serum Abumin   R vs NH   R   2132.104     HQ   1274   Globin (Beta, Hemo or Apha)   R vs NH   R   2132.098     HQ   1314   Globin (Beta, Hemo or Apha)   R vs NH   R   2132.098     HQ   1314   Globin (Beta, Hemo or Apha)   R vs NH   R   2132.098     HQ   1314   Globin (Beta, Hemo or Apha)   R vs NH   R   2132.098     HQ   1313   Se q ± D ∧ O	တ		g H		1545			Macroglobulin Alpha:2	IN sy NI	Œ	2132,099
High   1812   High	ဖ		e H		1211			Inter Apha Trypsin Inhibitor	IR vs NH	≅	2132.1
High   1199   Honal Serum Albumin   R vs NH   NH   2132.104     High   1226   High	9		8 ق		1812			Inter Apha Tryosin Inhibitor	IR vs NH	œ	2132 1
High   1226   Human Serum Albumin   R vs NH   NH   2132.104     High   1529   Globin (Beta, Hemo or Alpha)   R vs NH   R   2132.098     High   1529   Globin (Beta, Hemo or Alpha)   R vs NH   R   2132.098     High   1529   Globin (Beta, Hemo or Alpha)   R vs NH   R   2132.098     High   1529   Globin (Beta, Hemo or Alpha)   R vs NH   R   2132.098     High   1529   Globin (Beta, Hemo or Alpha)   R vs NH   R   2132.098     High   1520   Gonoplement C3 Precursor   T2 vs NH   NH   2132.108     High   1932   Gonoplement C3 Precursor   T2 vs NH   NH   2132.1108     High   1932   Gq ±D λ0°   L   Apolipoprote tein A-IV Precursor   T2 vs NH   NH   2132.1108     High   1932   Gq ⊕D λ0°   Fibronectin Precursor   T2 vs NH   NH   2132.1108     High   1932   Gq ⊕D λ0°   Fibronectin Precursor   T2 vs NH   NH   2132.1108     High   1628   Fibronectin Precursor   T2 vs NH   NH   2132.109     DEAE-1   1624   SCQ ⊕D λ0°   Fibronectin Precursor   T2 vs NH   NH   2132.109     DEAE-1   1211   Complement C3 Precursor   T2 vs NH   NH   2132.109     DEAE-1   1211   Complement C3 Precursor   T2 vs NH   NH   2132.109     DEAE-1   1212   Complement C3 Precursor   T2 vs NH   NH   2132.109     DEAE-1   1212   Complement C3 Precursor   T2 vs NH   NH   2132.109     DEAE-1   1212   Complement C3 Precursor   T2 vs NH   NH   2132.109     DEAE-1   1211   Complement C3 Precursor   T2 vs NH   NH   2132.109     DEAE-1   1212   Complement C3 Precursor   T2 vs NH   NH   2132.109     DEAE-1   1211   Complement C3 Precursor   T2 vs NH   NH   2132.109     DEAE-1   1212   Complement C3 Precursor   T2 vs NH   NH   2132.109     DEAE-1   1217   Complement C3 Precursor   T2 vs NH   NH   2132.109     DEAE-1   1217   Complement C3 Precursor   T2 vs NH   NH   2132.109     DEAE-1   1217   Complement C3 Precursor   T2 vs NH   NH   2132.109     DEAE-1   1217   Complement C3 Precursor   T2 vs NH   NH   2132.101     DEAE-1   1217   Complement C3 Precursor   T2 vs NH   NH   2132.101     DEAE-1   1217   Complement C3 Precursor   T2 vs NH   NH   2132.101     DEAE-1	9		OH 9		1199			Apoliporpotein	IX vs NH	ĭ	2132 101
High   1274   Globin (Beta, Hemo or Apha)   R vs NH   R   2132.098   High   1524   High   1231   High   1231   High   High   1333   Seq ± D λ0 · 1   Apolipoprotein   T2 vs NH   NH   2132.108   High   Hi	9		9 HIO		1226			Himan Sarim Albumin	300	2	2730 707
High   1314   Globin (Beta, Hemo or Alpha)   RYSN H   R   2132.098     High   1529   Seq ± D λO   1   1   1   1   1   1   1   1   1			, r.		1274			Globin (Both : Lomo or Alaka)		<u> </u>	2132.104
High   1534   Globin (Beta, Henno or Apha)   R vs NH   R   2132.088     High   1539   Seq ± D λO   Globin (Beta, Henno or Apha)   R vs NH   R   2132.088     High   1539   Seq ± D λO   Gomplement C3 Precursor   T2 vs NH   NH   2132.108     High   199   High	٠,		3 (		177			Giorn (Beta, Hemo or Appra)	12 SV 71	¥ į	2132.098
High   1529   Globin (Beta, Hemo or Alpha)   IR vs NH   IR   2132.089     High   1630   Seq ± D λO   Complement C3 Precursor   T2 vs NH   NH   2132.108     High   1497   Complement C3 Precursor   T2 vs NH   NH   2132.108     High   1497   Complement C3 Precursor   T2 vs NH   NH   2132.108     High   1497   Adoil popro tein A-IV Precursor   T2 vs NH   T2   2132.118     High   1950   Adoil popro tein A-IV Precursor   T2 vs NH   T2   2132.110     High   1950   Adoil popro tein A-IV Precursor   T2 vs NH   T2   2132.110     High   1950   Adoil popro tein A-IV Precursor   T2 vs NH   T2   2132.110     High   1950   Addrenengic Alpha 2 Receptor   R vs NH   R   2132.109     High   1951   Addrenengic Alpha 2 Receptor   T2 vs NH   NH   2132.109     DEAE-1   1952   Seq ± D λO   Glopinoetin Precursor   T2 vs NH   NH   2132.109     DEAE-1   1952   Seq ± D λO   Glopinoetin Precursor   T2 vs NH   NH   2132.109     DEAE-1   1552   Seq ± D λO   Glopinoetin Precursor   T2 vs NH   NH   2132.109     DEAE-1   1552   Seq ± D λO   Glopinoetin Precursor   T2 vs NH   NH   2132.109     DEAE-1   1554   Synaptities   T2 vs NH   NH   2132.109     DEAE-1   1554   Synaptities   T2 vs NH   NH   2132.109     DEAE-1   1552   Seq ± D λO   Glopinoetin Precursor   T2 vs NH   NH   2132.109     DEAE-1   1552   Seq ± D λO   Glopinoetin Precursor   T2 vs NH   NH   2132.109     DEAE-1   1552   Seq ± D λO   Glopinoetin Precursor   T2 vs NH   NH   2132.109     DEAE-1   1552   Seq ± D λO   Glopinoetin Precursor   T2 vs NH   NH   2132.109     DEAE-1   1552   Seq ± D λO   Glopinoetin Precursor   T2 vs NH   NH   2132.109     DEAE-1   1552   Seq ± D λO   Glopinoetin Precursor   T2 vs NH   NH   2132.109     DEAE-1   1552   Seq ± D λO   Glopinoetin Precursor   T2 vs NH   NH   2132.107     DEAE-1   1552   Seq ± D λO   Glopinoetin Precursor   T2 vs NH   NH   2132.107     DEAE-1   1552   Seq ± D λO   Glopinoetin Precursor   T2 vs NH   NH   2132.107     DEAE-1   1552   Seq ± D λO   Glopinoetin Precursor   T2 vs NH   T2   T2 vs NH   T2   T2 vs NH   T3 vs NH   T3 v	- 1				4151			Globin (Beta, Hemo or Alpha)	IR vs NH	Œ	2132.098
1630 Seq ± D NO : 3					1529			Globin (Beta, Hemo or Alpha)	IR vs NH	œ	. 2132.098
1333   Se q ± 0 λ0	ه ه د		HIQ3		1630	SEPTING.		Fibronectin Precursor	T2 vs NH	ī	2132.109
1333 Se q ID NO: 1 Apolipoprotein E  1211 Complement C3 Precursor T2 vs NH NH 2132.107  1497 Actin Beta Apolipopro tein A-IV Precursor T2 vs NH T2  1301 Apolipopro tein A-IV Precursor T2 vs NH T2  1301 Apolipopro tein A-IV Precursor T2 vs NH T2  1301 Apolipopro tein A-IV Precursor T2 vs NH T2  1301 Apolipopro tein A-IV Precursor T2 vs NH T2  1301 Apolipopro tein A-IV Precursor T2 vs NH T2  1301 Apolipopro tein A-IV Precursor T2 vs NH T2  1301 Apolipopro tein A-IV Precursor T2 vs NH T2  1301 Apolipopro tein A-IV Precursor T2 vs NH T2  1301 Apolipopro tein A-IV Precursor T2 vs NH T2  2132.110  1202 Andrenergic Apha 2 Receptor T2 vs NH NH 2132.109  1203 ABC Transporter T2 vs NH NH 2132.109  1204 Se Q ID NO: A BC Transporter T2 vs NH NH 2132.109  1207 ABC Transporter T2 vs NH NH 2132.109  1208 ABC Transporter T2 vs NH NH 2132.109  1209 ABC Transporter T2 vs NH NH 2132.109  12	n .		Z HIQ3		1190			Complement C3 Precursor	T2 vs NH	ĭ	2132.108
1211   Complement C3 Precursor   T2 vs NH	ر د ا		5 HIQ3		1333	Se a IO NO.		Apolipoprotein E	T2 vs NH	ĭ	2132.107
1497   1497   1497   1497   1497   1497   1497   1497   1499	ב בי		. HO3		1211	· )		Complement C3 Precursor	T2 vs NH	ĭ	2132.108 🛠
1199     Actin Beta     1104     Apolipopro tein A-IV Precursor     1353     1304     Apolipopro tein A-IV Precursor     1353     1353     1354     1354     1355	2		5 HQ3		1497			Complement C3 Precursor	T2 vs NH	¥	2132.108
1104  Apolipopro tein A-IV Precursor T2 vs NH T2  1353  1360  Apolipopro tein A-IV Precursor T2 vs NH T2  1301  1301  HP AKOZ6417 / HP AL133517  R vs NH T2  2132.110  2132.111  1628  Andrenergic Apha 2 Receptor IR vs NH IR  1912  Fibronectin Precursor T2 vs NH NH  1921  Complement C3 Precursor T2 vs NH NH  2132.109  T2 vs NH NH  T2 vs NH  T3 vs N	Ξ:		3 HQ3		1199			Actin Beta	T2 vs NH	12	2132.11 0
1353 Apolipopro tein A-IV Precursor T2 vs NH T2 1301 Proapoliprotein 1301 HP AKQ26417 / HP AL133517 HS vs NH T2 2132.110 2132.104 Andrenergic Alpha 2 Receptor IR vs NH HP AKQ26417 / HP AL133517 HV ARS NH NH H 1912 T2 vs NH NH T211  Complement C3 Precursor T2 vs NH NH T212 Complement C3 Precursor T2 vs NH NH T212 T2 vs NH NH T32.108 T2 vs NH NH T32.107 Synaptotremest Complement C3 Precursor T2 vs NH NH T32.108 T2 vs NH NH T32.108 T2 vs NH NH T2 vs NH T2	= :		HO3		1104			Apolipopro tein A-IV Precursor	T2 vs NH	T2	2132.111
1970 Complement C3 Precursor T2 vs NH T2 2132.110 HP AK026417 / HP AL133517 IR vs NH T2 2132.110 HP AK026417 / HP AL133517 IR vs NH NH Z132.104 Andrenergic Alpha 2 Receptor IR vs NH IR Z132.104 Andrenergic Alpha 2 Receptor IR vs NH IR Z132.109 T2 vs NH NH Z132.109 Synaptotremest C3 Precursor T2 vs NH NH Z132.107 Synaptotremest Complement C3 Precursor T2 vs NH NH Z132.107 Synaptotremest Complement C3 Precursor T2 vs NH NH Z132.107 Eihring 2452 S€♥ ID NO: Synaptotremest Complement C3 Precursor T2 vs NH NH Z132.107 Synaptotremest Complement C3 Precursor T2 vs NH NH Z132.107 Eihring 2452.107 Eihring 2452 Eihring 2452.107 Eihring 2452.107 Eihring 2452.107 Eihring 2452 Eihring 2452.107 Eihring 2452.107 Eihring 2452.107 Eihring 2452 Eihring 2452.107 Eihring 2452 Eihring 24	<del>-</del> :		3 HIQ3		1353	-		Apolipopro tein A-IV Precursor	T2 vs NH	12	2132.111
1301	7		HIQ3		1970			Complement C3 Precursor	T2 vs NH	T2	2132.110
1698         HP AK026417 / HP AL133517         IR vs NH         NH         2132.104           Andrenergic Alpha 2 Receptor         IR vs NH         IR         2132.097           Fibronectin Precursor         T2 vs NH         NH         2132.109           1912         Fibronectin Precursor         T2 vs NH         NH         2132.109           1 624         SCQ II ABC Transporter         T2 vs NH         NH         2132.109           1 217         Complement C3 Precursor         T2 vs NH         NH         2132.109           1 217         Complement C3 Precursor         T2 vs NH         NH         2132.108           1 217         Complement C3 Precursor         T2 vs NH         NH         2132.108           1 217         Synaptories@st Complex         T2 vs NH         NH         2132.107           1 217         Synaptories@st Complex         T2 vs NH         NH         2132.107           1 212         Synaptories@st Complex         T2 vs NH         NH         2132.107	5.		6 HQ3		1301			Proapoliprotein	T2 vs NH	<b>T</b> 2	2132.110
1628         Andrenergic Alpha 2 Receptor         IR vs NH         IR         2132.097           1912         Fibronectin Precursor         T2 vs NH         NH         2132.109           1927         ABC Transporter         T2 vs NH         NH         2132.109           1 211         Complement C3 Precursor         T2 vs NH         NH         2132.109           2 172         Complement C3 Precursor         T2 vs NH         NH         2132.108           1 2172         Complement C3 Precursor         T2 vs NH         NH         2132.108           1 2172         Complement C3 Precursor         T2 vs NH         NH         2132.108           2 2172         Synaptories@sl Complex Prot. 2         T2 vs NH         NH         2132.108           1 2000         Synaptories@sl Complex Prot. 2         T2 vs NH         NH         2132.107           1 2000         Synaptories@sl Complex Prot. 2         T2 vs NH         NH         2132.107	4		<b>₽</b>		1698			HP AK026417 / HP AL133517	IR vs NH	¥	2132.104
1628   Fibronectin Precursor   T2 vs NH   NH   2132.109   1912   Fibronectin Precursor   T2 vs NH   NH   2132.109   1927   T2 vs NH   NH   2132.109   1211   Complement C3 Precursor   T2 vs NH   NH   2132.108   1212   Complement C3 Precursor   T2 vs NH   NH   2132.108   1552   金Q工の NO: 3 Naptorteaction Complement C3 Precursor   T2 vs NH   NH   2132.107   1552   Synaptorteaction Complement C3 Precursor   T2 vs NH   NH   2132.107   1552   Synaptorteaction Complement C3 Precursor   T2 vs NH   NH   2132.107   150	15		OH 9					Andrenergic Alpha 2 Receptor	IR vs NH	Œ	2132.097
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1927 ABC Transporter 1211 Complement C3 Precursor 72 vs NH NH 2132.109	16		1 DEAE-1		1912			Fibronectin Precursor	T2 vs NH		2132.109
1624 SEQ 上 D NO・1 ABC Transporter T2 vs NH NH 2132.107 Complement C3 Precursor T2 vs NH NH 2132.108 Complement C3 Precursor T2 vs NH NH 2132.108 HP AC024778 T2 vs NH NH 2132.107 Synaptotreacel Complex Prot. 2 T2 vs NH NH 2132.107 Synaptotreacel Complex Prot. 2 T2 vs NH NH 2132.107 Eihring received Complex Prot. 2 T	16		1 DEAE-1		1927			Fibronectin-Precursor	T2 vs NH	Ę	2132,109
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-1serve@disks per 1552 পৰত   Synaptonamest Complex Prot. 2   T2 vs NH   NH   NH   NH   NH   NH   NH   NH	₩ :		4 DEAE-1		1552	SECTIONS	ŏ	HP AC024778	T2 vs NH		
1 modes de la consideration de la constant de la co	18		4 DEAE-1	THE PROPERTY.	•			Synaptoneses! Complex Prot. 2			2132.107
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